

# Birds And Worms

## Project Learning Tree Activity #25

### Program of Studies

#### Science:

- S-P-SI-2 (Use simple equipment (e.g., aquariums), tools (e.g., magnifiers, spoons), skills (e.g., observing, pouring), technology (e.g., video discs), and mathematics in scientific investigations.)
- S-P-SI-5 (Communicate (e.g., speak, draw) designs, procedures, and results of scientific investigations.)
- S-P-LS-3 (Organisms have different structures that serve different functions. These structures are used to sort organisms into groups.)
- S-4-SI-2 (Use simple equipment (e.g., plant lights), tools (e.g., rulers, thermometers), skills (e.g., describing), technology (e.g., electronic media), and mathematics in scientific investigations.)
- S-4-SI-5 (Communicate (e.g., graph, write) designs, procedures, and results of scientific investigations.)
- S-4-LS-3 (Organisms have different structures that serve different functions. These structures are used to sort organisms into groups.)
- S-5-SI-2 (Use appropriate equipment (e.g., watches), tools (e.g., rain gauges), techniques (e.g., classifying), technology (e.g., calculators), and mathematics in scientific investigations.)
- S-5-SI-5 (Communicate (e.g., draw, speak) designs, procedures, and results of scientific investigations.)
- S-6-SI-2 (Use appropriate equipment (e.g., binoculars), tools (e.g., beakers), techniques (e.g. ordering), technology (e.g., calculators), and mathematics in scientific investigations.)
- S-6-SI-5 (Communicate (e.g., speak, write) designs, procedures, and results of scientific investigations.)

#### Math:

- M-P-PS-5 (Display data on a bar graph.)
- M-P-PS-6 (Read and compare data on bar graph.)
- M-P-PS-11 (Collect and display data.)
- M-P-PS-12 (Read, compare, and interpret student collected data.)
- M-4-PS-2 (Choose appropriate means to collect and represent data.)
- M-5-PS-1 (Develop meaning and interpretation of arithmetic mean (average) for numerical data.)
- M-5-PS-2 (Pose questions; collect, organize, display data; and choose an appropriate way to collect and represent data.)
- M-6-PS-1 (Collect, organize, analyze, and interpret data in a variety of graphical methods, including line plots, line graphs, bar graphs, and stem and leaf plots.)
- M-6-PS-2 (Made predictions, draw conclusions, and verify results from statistical data and probability experiments.)

## Core Content

### Science:

- SC-E-SI-2 (Use simple equipment (e.g., magnifiers, magnets), tools (e.g., metric rulers, thermometers), skills (e.g., classifying, predicting), technology (e.g., electronic media, calculators, World Wide Web), and mathematics in scientific investigations.)
- SC-E-SI-5 (Communicate (e.g., draw, graph, write) designs, procedures, observations and results of scientific investigations.)
- SC-E-3.1.3 (Each plant or animal has structures that serve different functions in growth, survival, and reproduction. For example, humans have distinct body structures for walking, holding, seeing, and talking.)
- SC-E-3.3.2 (The world has many different environments. Distinct environments support the lives of different types of organisms. When the environment changes, some plants and animals survive and reproduce, and others die or move to new locations.)
- SC-M-SI-2 (Use appropriate equipment, tools, techniques, technology, and mathematics to gather, analyze, and interpret scientific data.)
- SC-M-SI-5 (Communicate (e.g., write, graph) designs, procedures, observations, and results of scientific investigations.)

### Math:

- MA-E-3.2.2 (Collect, organize, and describe data (e.g., drawings, tables, charts).)
- MA-E-3.2.3 (Construct and interpret displays of data (e.g., line graph, bar graph, pictograph, line plot, simple Venn diagram, table.)
- MA-E-3.2.5 (Make predictions and draw conclusions based on data.)
- MA-M-3.2.1 (Organize, represent, analyze, and interpret sets of data.)
- MA-M-3.2.2 (Construct and interpret displays of data (e.g., table, circle graph, line plot, stem-and-leaf plot, box-and-whiskers plot.)